

(DC-6406)

The Present State and Methods of ~~the~~ Developing
Automation and Telemechanics in Railroad Trans-
portation, by A. P. Petrov, Kh. L. F. Pustovoytov,
14 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,
No 10, 1961, pp 18-26.

JPRS 11875

180.721

USSR
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Jan 62

(NY-65100)

For an Integrated Transport System in
the USSR, by V. I. Petrov, 17 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,
No 11, 1961, pp 8-15.

JPRS 13285

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Apr 62

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(NY-5100)

Prospects for the Development of Railroad
Transport, by V. I. Sedov, 10 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,
No 11, 1961, pp 16-20.

JPRS 13285

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(NY-5100)

Important Problems of Railroad Electri-
fication, by A. F. Prokharov, 12 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,
No 11, 1961, pp 21-26.

JPRS 13285

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(NY-5100)

High Train Traffic Speeds and the Improve-
ment of the Transport Process, by
A. D. Karetnikov, 10 pp.

RUSSIAN, per, Zhelezodorozhnyy Transport,
No 11, 1961, pp 26-31.

JPRS 13285

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Apr 62

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(NR-5100)

Forecasting the Volume of Rolling Stock
Traffic by Electronic Computers, by
L. F. Tulupov, G. L. Livshin, 9 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,
No 11, 1961, pp 51-54.

JPRS 13285

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Apr 62

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(NY-5100)

Mechanization and Automation of the
Recording and Information on Train and
Freight Operations, by A. I. Ol'khovoy,
12 pp.

RUSSIAN, per, Zhелеznodorozhnyy Transport,
No 11, 1961, pp 63-67.

JPRS 13285

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LOCOMOTIVE AND RAILWAY CAR MANAGEMENT ON
RUMANIAN RAILROADS, BY KONSTANTIN STOYAN, 7 PP.

RUSSIAN, PER, ZHELEZNODORZHNYI TRANSPORT, NO 12,
1961, PP 13-18.

ACSI 1-1166
ID 2196084

EEUR-RUMANIA
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Tracks and Track Maintenance on the Rumanian
National Railways, by Marin Meroin, 5 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 12,
1961, pp 22-24.

ACSI I-1326-B
ID 2198513

REAR - Rumanian
Econ
14 May 62

194, 218

JNY-5100)

FOR THE UNIFICATION OF PUBLIC AND INDUSTRIAL
RAILROAD TRANSPORT, BY YA. N. KRIVENKO,
8 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 12,
1961, PP 43-46.

JPRS 13867

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JUN 62

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(NY-5100)

THE RAILROADS BETWEEN 1960 AND 1980: THEIR TECHNICAL
AND FINANCIAL DEVELOPMENT, BY B. P. BESHCHEV,
17 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 1,
1962, PP 1-17.

JPRS 13867

USSR
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JUN 62

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(NY-5100)

PRICE FORMATION ADN THE RATES OF RAILROAD
TRANSPORT, BY I. V. IVLIYEV, 5 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 1,
1962, PP 11-17.

JPRS 13867

USSR
ECON
JUN 62

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(NY-5100)

AUTOMATION AND MECHANIZATION OF THE PROCESSES
OF OPERATIONAL PLANNING, BY G. M. KUTYYEV, 18
PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 1,
1962, PP 24-29.

JPRS 13867

JUSSR
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JUN 62

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(NY-5100)

FURTHER IMPROVEMENT OF ROLLING STOCK, BY
V. I. BEZTSENNY, A. N. KOROLEV, 10 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 1,
1962, PP 32-37.

JPRS 13867

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JUN 62

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(NY-1840)

A TECHNICAL AND ECONOMIC REVIEW OF THE USSR RAILROAD
TRANSPORT IN 1961, 12 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 3,
1962, PP 43-46.

JPRS 14605

USSR
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JUL 62

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(NY-1840)

FURTHER TASKS OF MECHANIZATION AND AUTOMATION
OF COMPUTATION OPERATIONS, BY G. I. KOLYADA,
X 10 PP.

RUSSIAN, PEYR, ZHELEZNODOROZHNYI TRANSPORT, NO 4,
1962, PP 42-45.

JPRS 14842

USSR
ECON
AUG 62

209,024

Evgrafov, G. K., Osipov, V. O., and Kolokolov, V. N.
HOW TO PREVENT THE FATIGUE BREAKDOWN OF
METALLIC BRIDGE ELEMENTS. [1963] [5]p.
Order from OTS or SLA \$1.10 63-16468

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 4] p. 50-52.

DESCRIPTORS: *Bridges, *Fatigue (Mechanics).

(Engineering--Civil, TT, v. 10, no. 6)

63-16468

I. Evgrafov, G. K.
II. Osipov, V. O.
III. Kolokolov, V. N.

Office of Technical Services

Povorozhenko, V. V.
PROSPECTS FOR INCREASED CONTAINERIZATION
AND BETTER DISTRIBUTION OF CONTAINER
CENTRES. [1963] 7p.

Order from OTS or SIA \$1.10

63-14004

Trans. of Zhелеznodorozhnyi Transport (USSR)
1962 [v. 44, no. 4] p. 64-66.

DESCRIPTORS: *Containers, Railroad cars, *Cargo,
Handling, Railroads, Logistics.

The following topics are analyzed: Distribution of
railroad freight container centres; improved utilization
of container capacity; and, control of the container
fleet.

(Machinery--Transport, TT, v. 10, no. 7)

63-14004

I. Povorozhenko, V. V.

Office of Technical Services

The Immediate Future Prospects of Soviet
Electric Locomotive Building, by Kh. Ya.
Kyshtrikov, A. L. Kurochka.

RUSSIAN, per, Zheleznodorozhnyy Transport,
Vol. XLIV, No 5, 1962, pp 27-32.

NLL M 3967

Sci - Electron
Feb 63

22 3,569

Albrekht, V. A., Pershin, S. P., and Shulga, V. A.
WIDER UTILIZATION OF CONTINUOUS-WELDED
TRACKS. [1963] [7]p.

Order from OTS or SLA \$1.10

63-16471

Trans. of Zhelezнодорожный Transport (USSR) 1962
[v. 44, no. 5] p. 33-37.

DESCRIPTORS: *Railroad tracks, *Welding, Manu-
facturing methods, Railroads.

(Machinery--Transport. TT, v. 10, no. 6)

63-16471

I. Albrekht, V. A.
II. Pershin, S. P.
III. Shulga, V. A.

Office of Technical Services

63-14005

Tikhomirov, I. G., Nevzorov, A. V. and others.
AUTOMATION OF OPERATIONAL PROCEDURES IN
MARSHALLING YARDS. (1963) [8]p.
Order from OTS or SLA \$1.10 63-14005

I. Tikhomirov, I. G.
II. Nevzorov, A. V.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 5] p. 50-54.

DESCRIPTORS: *Railroads, *Railroad cars, Auto-
mation, Computers, *Control systems, Handling,
Logistics, Operations research.

(Machinery--Transport, TT, v. 10, no. 5)

Office of Technical Services

Urgent Tasks of Developing The Track Facilitio
by A. F. Podpalyy, 12 pp.

RUESLAN, per, Zheleznodorozhnyy Transport, No
1962, pp 8-13.

JPRS 16310

USSR
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Nov 62

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The Seven Year Plan and the Sverdlovsk Railroad,
V. P. Yegorov, 10 pp.

RUSSIAN, per, Zhелеznodorozhnyy Transport,
No 6, 1962, pp 20-24.

JPRS 16142

USSR
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Nov 62

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63-10646

Kartamyshev, A. I., Shmukler, M. M., and Yakub, S. K.

INCREASED EFFICIENCY OF DIRECTING THE CAR FLOW TO PARALLEL ROUTES. [1962] 6p.

Order from OTS or SLA \$1.10

63-10646

Trans. of Zhelezнодорожный Transport (USSR) 1962 [v. 44, no. 6] p. 37-41.

DESCRIPTION: *Railroads, Locomotives, *Railroad cars, *Transportation, Economics, Scheduling.

I. Kartamyshev, A. I.
II. Shmukler, M. M.
III. Yakub, S. K.

(Machinery--Transport, TT v. 9, no. 11)

Office of Technical Services

63-10644

I. Semichastnov, I. F.

Semichastnov, I. F.
DEVELOPMENT OF HYDRAULIC TRANSMISSIONS
FOR DIESEL LOCOMOTIVES. [1962] 6p. 1 ref.
Order from OTS or SLA \$1.10 63-10644

Trans. of Zhелеznodorozhnyi Transport (USSR) 1962
[v. 44, no. 6] p. 47-50.

DESCRIPTORS: *Hydraulic systems, *Transmissions,
*Diesel engines, *Locomotives, Railroad cars, Rail-
roads, Hydrodynamics, Operation, Design, Economics.

(Machinery--Transport, TT, v. 9, no. 11)

Office of Technical Services

63-10645

I. Gridyushko, V. I.

NP 63-10645

Gridyushko, V. I.

IMPROVING THE RUNNING MAINTENANCE OF
FREIGHT CARS. [1962] 7p.

Order from OTS or SLA \$1. 10

63-10645

Trans. of *Veloznodorozhnyi* Transport (USSR) 1962
[v. 44, no. 5] p. 51-56.DESCRIPTORS: *Railroad cars, Maintenance, Manage-
ment engineering, Railroads.

(Machinery--Transport, TT, v. 9, no. 11)

Office of Technical Services

63-10647

I. Ratnikov, V. D.

Ratnikov, V. D.

AUTOMATED CAR SORTING ON A HUMP-YARD.

[1962] 8p.

Order from OTS or SLA \$1.10

63-10647

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 6] p. 67-72.

DESCRIPTORS: *Automation, *Railroad cars, Railroads,
Electronic equipment, *Brakes, *Remote control sys-
tems, Electric switches.

(Machinery- Transport, TT, v. 9, no. 11)

Office of Technical Services

63-10643

Kozmin, Yu. G. and Nevzorov, I. N.
IMPACT EFFECT OF TRAINS ON METALLIC
BRIDGES. [1962] 7p.

Order from OTS or SLA \$1.10

63-10643

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 6] p. 80-83

DESCRIPTORS: *Impact shock, *Locomotives,
*Bridges, Structures: Dynamics, Tensimeters, De-
formation, Load distribution, Beams (Structural),
Railroad tracks.

I. Kozmin, Yu. G.
II. Nevzorov, I. N.

NC 63-10643

(Engineering--Civil, TT, v. 9, no. 10)

Office of Technical Services

63-10637

Dobrosielski, K. M.
PROSPECTS OF IMPROVED TECHNIQUE AND TECHNOLOGY IN A HUMP YARD. [1962] 5p.
Order from OCS or SLA \$1.10 63-10637

I. Dobrosielski, K. M.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 7] p. 32-34.

DESCRIPTORS: *Remote control systems, Economics,
Television communication systems, *Railroads, Electronic equipment, Electric switches.

(Machinery--Transport, TT, v. 9, no. 11)

Office of Technical Services

63-10648

Orlov, N. G.
TECHNICAL INNOVATIONS IN PRODUCTION OF
WELDED RAILS. [1962] 5p. (3 figs. omitted).
Order from OTS or SLA SL. 10 63-10648

I. Orlov, N. G.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 7] p. 45-48.

DESCRIPTORS: Production, *Railroad tracks,
*Welding, Automation, Conveyors, Grinders, Cutting
tools.

(Machinery - Transport, TT, v. 9, no. 12)

Office of Technical Services

Demidov, V. P.
GAS TURBINE LOCOMOTIVES. [1962] 9p.
Order from OTS or SLA \$1.10 63-10649

Trans. of Zheleznodorozhny Transport (USSR) 1962
{v. 44, no. 7} p. 90-94.

DESCRIPTORS: *Gas turbines, *Locomotives, Rail-
road cars, Railroads, Operation, Economics.

(Machinery--Transport, TT, v. 9, no. 11)

63-10649

I. Demidov, V. P.

Office of Technical Services

Advantages of the Merger of Public With
Industrial Transport, by A. Ya. Sumodunov,
9 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,
No 3, 1962, pp 24-27.

JPRS 16310

USSR
Econ
Nov 62

2:7, 870

63-10761

Potapov, V. P., Matalasov, S. F., and Malakhov,
K. N.

NEW OPERATIONAL DEMANDS ON DESIGN OF
FREIGHT CARS. [1962] 6p.

Order from UTS or SLA \$1.10

63-10761

Trans. of Zhелеznodorozhnyi Transport (USSR) 1962
[v. 44, no. 8] p. 28-32.

DESCRIPTORS: *Railroad cars, Design, Maintenance,
Handling, Cargo, Railroads.

(Machinery--Transport, TT, v. 10, no. 1)

I. Potapov, V. P.
II. Matalasov, S. F.
III. Malakhov, K. N.

Office of Technical Services

Important Problems of Preparing the Grain Mass
Transportation, by N. V. Marin, et al.

RUSSIAN, per, Zheleznodorozhnyy Transport,
Vol XLIV, 1962, pp 33-37.

NRC/Ref. C-4224

Sci-Engr

Aug 63

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Certain Economic Problems of Utilizing New
Types of Traction, by A. P. Abramov, G. V.
Motor, 13 pp.

USSR, per, Zhелеznodorozhnyy Transport, No 8,
1962, pp 37-41.

JPRS 16310

USSR
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Myasnikov, Z. M.

IMPROVED OPERATIONS ON STEAMING-AND WASH-
ING STATIONS. 1962 [9]p.

Order from OTS or SLA \$1.10

63-10762

63-10762

I. Myasnikov, Z. M.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 8] p. 44-49.DESCRIPTORS: *Railroad cars, Tanks (Containers),
Steam-cleaning, Cleaning, Oils, Chemicals, Railroads.

(Machinery--Transport, TT, v. 10, no. 1)

Office of Technical Services

Automation of the Operative Planning of Train
and Freight Operations, by M. D. Kryukov, V. N.
Gumiblin, 11 pp.

RUSSIAN, per, Zhелеznodorozhnyy Transport,
No 3, 1962, pp 49-52.

JPRS 16310

USER
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Nov 62

217,872

Karetnikov, A. D., Ashukin, D. D. and others.
HOW TO ORGANIZE LOCAL OPERATION ON RAIL-
ROAD EXTENSIONS. [1962] 9p.
Order from OTS or SLA \$1.10

63-10765

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 8] p. 55-59.

DESCRIPTORS: • Railroads, Management engineering,
Operation, Maintenance.

(Machinery--Transport, TT, v. 10, no. 1)

63-10765

I. Karetnikov, A. D.
II. Ashukin, D. D.

Office of Technical Services

63-10635

Vetukhov, E. A. and Kostenko, I. G.
VARIOUS METHODS OF DIRECT RELOADING IN
FREIGHT YARDS. [1962] 5p.
Order from OTS or SLA \$1.10 63-10635

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 8] p. 60-62.

DESCRIPTORS: Handling, *Cargo, *Railroad cars,
Tractors, Trailers, Cargo vehicles, Warehouses,
Storage, Railroads, Operation, Economics.

(Machinery--Transport, TT, v. 9, no. 11)

I. Vetukhov, E. A.
II. Kostenko, I. G.

NR4/6-1
C-4243

Office of Technical Services

Special Containers for Freight Transportation, by
I. V. Shrefko, Yu. T. Kozlov.

RUSSIAN, per, Zheleznodorozhny Transport,
Vol XLIV, 1962, pp 66-69.

NRC/Ref. C-4239

Sci-Engr

Aug 63

34, 974

Improved Methods of Loading Vehicles, Machines
and Parts on Flatcars, by A. G. Kalishchuk,
A. S. Avstreikh.

RUSSIAN, per, Zheleznodorozhnyy Transport,
Vol XXXI XLIV, 1962, pp 76-78.

NRC/Ref. C-4217

Sci-Engr

Aug 63

341,970

63-10763

I. Khudokormov, V. I.

Khudokormov, V. I.
SPECIALIZATION IN OVERHAUL OF ALL-METAL
PASSENGER CARS. [1962] 6p.
Order from OTS or SLA \$1.10 63-10763

Trans. of Zhелеznodorozhnyi Transport (USSR) 1962
[v. 44, no. 8] p. 73-78.

DESCRIPTORS: *Railroad cars, Passenger vehicles,
Metals, *Maintenance, Maintenance equipment.

(Machinery--Transport, TT v. 9, no. 12)

Office of Technical Services

Zvukov, H. M.
RAILROAD TRACKS IN METALLURGICAL MILLS
AND MACHINE-BUILDING WORKS IN
CZECHOSLOVAKIA. [1962] 6p.
Order from OTS or SLA \$1.10

63-10764

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 8] p. 88-91.

DESCRIPTORS: *Railroad tracks, Industrial plants,
Foundations (Structures), Design, Welding, Wood,
Metals, Concrete, Slags.

(Machinery--Transport, TT, v. 9, no. 12)

63-10764

I. Zvukov, H. M.

Office of Technical Services

Nagy, J.
ANALYSIS OF STABILITY ON STRAIGHT SECTIONS
OF WELDED TRACKS. [1962] [8]p.
Order from UTS or SLA \$1.10

63-10760

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 9] p. 40-44.

DESCRIPTORS: *Railroad tracks, *Welding, Stability,
Analysis.

(Machinery--Transport, TT, v. 9, no. 12)

63-10760

I. Nagy, J.

Office of Technical Services

Kutassy, Lajos.
PRESTRESSED CONCRETE SLEEPERS. [1962] 5p.
Order from OTS or SLA \$1.10 63-10758

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 9] p. 44-47.

DESCRIPTORS: *Concrete, *Foundations (Structures),
*Railroad tracks, *Reinforced concrete, Design,
Railroads.

(Machinery--Transport, TT, v. 10, no. 4)

63-10758

1. Title: Prestressed concrete
1. Kutassy, L.

Office of Technical Services

Bagirov, A. M.
NEW ORGANIZATIONAL METHODS OF FREIGHT
HANDLING ON AZERBAIDZHAN LINE. [1962] 5p.
Order from OTS or SLA \$1.10 63-10759

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 9] p. 59-63

DESCRIPTORS: *Railroads, Handling, Railroad cars,
Management engineering, *Cargo.

(Machinery--Transport, TT, v. 10, no. 5)

63-10759

I. Bagirov, A. M.

Office of Technical Services

Railroad Transport of the USSR in the First
Half of 1962, 12 pp.

RUSSIAN, par, Zheleznodorozhnyy Transport,
No 8 9, 1962, pp 73-76.

JPRS 16310

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UTILIZE ROLLING STOCK MORE EFFICIENTLY,
11 PP

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 10,
1962, PP 3-7.

JPRS 17067

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NEW POWERFUL ELECTRIC LOCOMOTIVES, BY S. N.
YELKIN, 14 PP. and by B. A. Tushkanov.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT,
NO 10, OCT 1962, PP 18-25.

JPRS 17067

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Borisov, D. P.
AUTOMATION AND TELEMCHANICS FOR LINES
WITH HIGH-SPEED TRAFFIC. [1963] [7]p.
Order from OTS or SLA \$1.10 63-14727

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 10] p. 44-47.

DESCRIPTORS: *Railroads, Automatic, *Control
systems, *Speed regulators, *Signal lights, *Traffic,
Transportation.

An examination of how the installations for signalling,
centralization and blocking can be developed and
amplified for railroad lines with high-speed traffic.

(Machinery--Transport, TT, v. 10, no. 4)

63-14727

I. Borisov, D. P.

Office of Technical Services

Nikulina, P. A., Paderno, I. P., and Terent'ev S. A.
COMPLEX RADIO AND WIRE COMMUNICATIONS
IN MARSHALLING YARDS. [1963] [5]p.
Order from OTS or SLA \$1.10

63-16470

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 10] p. 43-50.

DESCRIPTORS: *Railroads, Communication systems.

(Machinery--Transport TT, v. 10, no. 7)

63-16470

I. Nikulina, P. A.
II. Paderno, I. P.
III. Terent'ev, S. A.

Office of Technical Services

THE COORDINATION OF TRANSPORT OPERATIONS # AN
IMPORTANT STATE PROBLEM, BY B. P. BESHCHEV, 14 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,
1962, PP 3-9.

JPRS 18032

USSR
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COORDINATION - THE BASIS OF THE WORK OF SEAMEN
AND RAILROAD WORKERS, BY V. G. BAKAYEV, 8 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 11,
1962, PP 10-13.

JPRS 18032

USSR
ECON
MAR 63

224,587

THE COOPERATION OF RAILROAD AND RIVER TRANSPORT,
BY S. A. KUCHKIN, 12 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT,
NO 11, 1962, PP 14-19.

JPRS 18032

USSR
ECON
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POSSIBILITIES FOR THE EFFECTIVE USE OF RAILROAD
AND MOTOR VEHICLE TRANSPORT, BY F. V. KALABUKHOV,
10 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,
1962, PP 20-24.

JPRS 18032

USSR
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224,589

THE DISTRIBUTION OF SHIPMENTS AMONG DIFFERENT
TYPES OF TRANSPORT, BY V. I. DMITRIYEV,
V. I. PETROV, 12 PP.

RUSSIAN, PER, ZHELEZHODOROZHNYI TRANSPORT, NO 11,
1962, PP 24-29.

JPRS 18032

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THE UNIFIED TRANSPORT NETWORK OF THE UKRAINE,
BY M. M. YASHNIK, 9 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,
1962, PP 30-33.

JPRS 18032

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COMPLEX USE OF TRANSPORT IN THE GOR'KOVSKIY
ECONOMIC REGION, BY B. I. ZIKEYEV, 7 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,
1962, PP 34-36.

JPRS 18032

USSR
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POSSIBILITIES OF REDUCING TRANSPORT EXPENSES,
BY T. Z. KOSHKAREV, 6 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 11,
1962, PP 37-39.

JPRS 18032

USSR
ECON
MAR 63

224,593

THE TRANSFER OF SHORT-RUN SHIPMENTS TO MOTOR-
VEHICLE TRANSPORT, BY M. A. SMORODINOV, KH. M.
LAZAREV, 6 PP.

RUSSIAN, PER, ZHELEZNODOROZNYI TRANSPORT, NO 11,
1962, PP 47-49.

USSR
ECON
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JPRS 18032

OTS 63-14726
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224,594

Goldstein, M. N.
EQUIPPING AND MAINTAINING THE RAILROAD BED.
[1963] [7]p.
Order from OTS or SLA \$1.10

63-14003

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 11] p. 58-61.

DESCRIPTORS: *Railroad tracks, Foundations
(Structures), *Civil engineering, Soil mechanics,
Trafficability.

The contemporary designing method based on the so-called "allowable" pressure, does not allow to correctly estimate and utilize the actual mechanical properties of the basic surface. The magnitudes of the flexible deformation static and dynamic modulus, respectively, differ from each other by several hundred percent. Corresponding corrections should be
(Engineering, Civil, TI, v. 10, no. 5) (over)

63-14003

I. Goldstein, M. N.

Office of Technical Services

Senderov, G. K.
HOW TO AVOID CAR DAMAGE ON CAR-TIPPER.
[1963] 6p.
Order from OTS or SLA \$1.10

63-14724

Trans. of Zhelzнодорожный Transport (USSR) 1962,
[v. 44, no. II] p. 66-68.

DESCRIPTORS: *Railroad cars, *Damage, Handling.

(Machinery--Transport, TT, v. 10, no. 5)

63-14724

I. Senderov, G. K.

Office of Technical Services

SHIPMENT OF MORE FREIGHT NEEDED FOR EACH RUBLE OF
BASIC FUNDS, BY V. YE. BIRYUKOV. 15 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 12,
1962, PP 20-25.

JPRS 18599

USSR
ECON
APR 63

226,943

Andrianov, A. S.
HOW THE KUIBYSHEV RAILROAD ORGANIZED ITS
FIGHT AGAINST SNOW. [1963] [6]p.
Order from OTS or SLA \$1.10

63-14728

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 12] p. 51-53.

DESCRIPTORS: Railroads, *Snow, *Railroad tracks,
Forestry, Shelters, Traffic, Maintenance equipment,
*Snow removal.

(Machinery--Transport, TT, v. 10, no. 5)

63-14728

I. Andrianov, A. S.

JPRS 18599

Office of Technical Services

THE ROLE OF PROFITS IN STRENGTHENING THE
SELF-SUPPORT OF RAILROAD DIVISIONS, BY YE. V.
LARIONOVA, 9 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT,
NO 2, 1962, PP 54-58.

JPRS 18599

USSR
ECON
APR 63

226,945

Khandros, G. M.
IMPORTANT PROBLEMS CONCERNING IMPROVED
FREIGHT CAR DESIGN. [1963] [5p]
Order from OTS, SIA or ETC \$1.10 TT-63-20663

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 12] p. 60-62.

DESCRIPTORS: *Railroad cars, Design.

TT-63-20663

I. Khandros, G. M.

(Machinery--Transport, TT, v. 11, no. 4)

Office of Technical Services

63-18082

1. Title: Slabs
I. Klimesh, F.

Klimesh, Ferdinand.
CONTINUOUS WELDED RAILS ON PRESTRESSED
SLABS. [1963] 9p.
Order from OTS or SLA \$1.10 63-18082

Trans. of Zhelezнодороzhnyi Transport (USSR) 1962
[v. 44, no. 12] p. 83-85.

DESCRIPTORS: *Railroad tracks, Welds, *Founda-
tions (Structures), Reinforced concrete, Stresses,
Structures, Mathematical analysis, Economics,
Railroads.

(Machinery--Transport, TT, v. 10, no. 10)

Office of Technical Services

ADVANCING TECHNICAL PROGRESS ON THE RAILROADS,
BY N. A. GUNDOBIN, 13 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 1,
1963, PP 3-9.

~~XPRS 1805~~
JPRS 19005

USSR
ECON
MAY 63

230,049

63-18078

I. Kochnev, F. P.

Kochnev, F. P.
HIDDEN POSSIBILITIES IN THE TRAFFIC DIAGRAM
OF COMMUTER TRAINS. [1963] [7]p.
Order from OTS or SLA \$1.10 63-18078

Trans. of Zheleznodorozhnyi Transport (USSR) 1963
[v. 45, no. 1] p. 38-41.

DESCRIPTORS: *Railroads, *Traffic, Transportation,
Locomotives, Passenger vehicles, Economics, Costs.

(Machinery--Transport, TT, v. 10, no. 11)

Office of Technical Services

GROWTH PROSPECTS OF THE BELORUSSIAN RAILROAD,
BY N. I. NESTERENKO, 6 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT,
NO 1, 1963, PP 49-51.

JPRS 19005

USSR
ECON
MAY 63

230,050

Fakhrutdinov, V. Z.
TARGET BRAKING OF MARSHALLED CARS. [1963]
[4]p.
Order from OIS, S. 10, or ETC S. 10 63-18079

Trans. of Zhелеznodorozhnyi Transport (USSR) 1963
[v. 45, no. 1] p. 69-71

DESCRIPTORS: *Railroad cars, Deceleration, Railroad
tracks, Railroads.

The article describes a method of braking cuts of rail-
road cars at a braking station 150 meters from the ex-
treme section posts on the side of the hump-crest. The
method increases the efficiency of the marshalling
yard, eliminates upset cars in winter time, reduces car
damage, increases safety, makes snow removal easier,
reduces noise, and does not require safety derails at
the end of each marshalling track.

(Machinery-Transport). TT, 63-18079

63-18079

I. Fakhrutdinov, V. Z.

Shakhmatov, G. A.
AUTOMATIC TRAIN STOPS FOR HIGH-SPEED
TRAFFIC. 1963 [6]p.
Order from OTS or SLA \$1.10

63-18062

Trans. of Zhелеznodorozhnyi Transport (USSR) 1963
[v. 45, no. 1] p. 70-73.

DESCRIPTORS: *Signals, Automatic, Control systems,
*Railroads, *Locomotives, Traffic, Electrical
equipment.

(Machinery--Transport, TT, v. 10, no. 9)

63-18062

I. Shakhmatov, G. A.

Office of Technical Services

NEW REQUIREMENTS FOR PLANNING SHIPMENTS, BY
V. A. MERKULOV, S. A. ZEMLYANIKIN, 14 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 2,
1963, PP 14-20

JPRS 19501

USSR
ECON
JUN 63

2X 231,752X
231,752

OUTLOOK FOR THE DEVELOPMENT OF GAS TURBINE
TRACTION, BY YE. T. BARTOSH, N. V. KOLODYAZHNYI,
12 PP

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 2,
1963, PP 23-28.

JPRS 19501

USSR
ECON
JUN 63

231,753

Bernhard, K. A.
NOW TO SPECIALIZE THE TANK-CAR FLEET.
[1963] [11p]
Order from OTS, SLA, or ETC \$1.60 TT-63-20665

Trans. of Zheleznodorozhnyi Transport (USSR) 1963
[v. 45, no. 2] p. 44-47.

DESCRIPTORS: *Railroad cars, Tanks (Containers),
Traffic, Cleaning, Oils, Liquids, *Transports,

(Machinery--Transport, TT, v. 11, no. 4)

TT-63-20665

I. Bernhard, K. A.

Office of Technical Services

RAILROAD DIVISIONS -- THE BASIC PRODUCTION
ASSOCIATIONS IN TRANSPORT, 13 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 2,
1963, PP 55-60.

JPRS 19501

USSR
ECON
JUN 63

231,754

63-18077

I. Volotakol, D. V.

Volotakol, D. V.
SILICON-ORGANIC COMPOUNDS FOR FIGHT AGAINST
SUBGRADE HEAVING. [1963] [5]p.
Order from CTS or SLA \$1.10

63-18077

Trans. of Zhелеznodorozhnyi Transport (USSR) 1963
[v. 45, no. 2] p. 73-76.

DESCRIPTORS: *Railroads, *Soils, *Moistureproofing,
Freezing, Deformation, Inhibition, *Silicon compounds,
Organic compounds, *Silanes, Chlorides, Methyl
radicals, Ethyl radicals, Sodium compounds, *Silicates,
*Silicones, Injection.

Organosilicon compounds are being used to inhibit road-
bed frost heaving on the Kazan section of the Gorkii
Railroad. Compounds which have proven sufficiently
hydrophobic, harmless, and inexpensive include: ethyl-
and methylchlorosilanes, $C_2H_5SiCl_3$ and CH_3SiCl_3 .
(Engineering--Civil, TT, v. 10, no. 9) (over)

Office of Technical Services

Container Service on Access Lines, by
M. F. Trikhunkov, 7 pp.
RUSSIAN, per, Zheleznodorozhnyi Transport,
Vol XLV, No 2, 1963, pp 83-86.
OTS 63-18792

USSR
Econ
March 64

252,086

RAISING THE EFFICIENCY OF NEW FORMS OF TRACTION,
BY N. A. DROZDOV, 11 PP.

RUSSIAN, PER, ZHELEZNOD TRANSPORT, NO 3, 1963,
PP 3-7.

JPRS 20538

USSR
ECON
AUG 63

238,514

Shulga, V. Ya.
A NEW TYPE OF TRACK UPPER STRUCTURE.
[1963] [6p] (3 figs omitted)
Order from OTS or SLA \$1.10

63-20379

Trans. of Zhel'eznodorozhnyy Transport (USSR), 1963
[v. 45, no. 3] p. 52-54

DESCRIPTORS: *Railroad tracks, *Reinforced concrete,
Beams (Structural) *Foundations (Structures).

Experiments with reinforced concrete block-based
railroad tracks confirms the expected stability of the
type of track, its protection of the ballast from con-
tamination and a significant drop in requirements both
of labor and material for track maintenance.

(Engineering--Civil, TT, v. 10, no. 12)

63-20379

I. Shulga, V. Ya.

Office of Technical Services

RAILROAD TRANSPORT IN THE USSR IN 1962 (A TECHNICAL
ECONOMIC REVIEW), 13 PP.

RUSSIAN, PER, ZHELEZNOD TRANSPORT, NO 3, 1963,
PP 55-50.

JPRS 20538

USSR
ECON
AUG 63

238,515

Petrunkov, A. E.
ELECTRO-MECHANICAL CARRIER FOR TRANSFER
OF DISPATCHER'S DOCUMENTS IN YARDS. [1963]
[5]p.

Order from OTS or SLA \$1.10

63-18076

Trans. of Zheleznodorozhnyi Transport (USSR) 1963
[v. 45, no. 3] p. 78-80.

DESCRIPTORS: *Conveyors, *Transportation,
*Documentation, Railroads.

This surface mounted, completely enclosed, carrier
system consists of the following basic elements:
concrete tunnel; carrier-container; two receiving-
dispatching stations; feeding and controlling equipment.
(Author)

(Machinery--Transport, TT, v. 10, no. 9)

63-18076

1. Title: Electromechanical
carrier
2. Title: Documents
carrier
1. Petrunkov, A. E.

Office of Technical Services

TASKS FOR FURTHER REDUCING TRANSPORTATION
COSTS, BY I. V. IVLIYEV, 12 PP.

RUSSIAN, PER, ZHELEZNOD TRANSPORT, NO 4, 1963,
PP 15-20.

JPRS 20538

USSR
ECON
AUG 63

238,516

Collaboration of the Socialist Countries in the
Development of Transportation, by V. S. Gavrilov,
7 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 4,
1963, pp 25-31. 9690232

ACSI I-3406-A
ID 2246297

USSR
Econ.
Dec 63

244,034

Cooperation Interaction of Rail and Auto Transportation, by F. I. Shaul'skiy, N. K. Sologub, 5 pp.

RUSSEAN, per, Zhelaznodorozhnyy Transport, No 4, 1963, pp 31-34.

ACSI I-3406-B

ID 2246297

OTS 63-20377

USSR

Econ

Dec 63

244,035

Endurance Test on Plastic Putties for
Repair of Freight Cars, 5pp., by A. L.
Libin, Z. A. Mirolubova, M. Yu. Pashkevich,
RUSSIAN, per, Zheleznodorozhnyi
Transport, Vol 45, 1963, No 10, pp 17-18
CFSTI TT-6--18069

344,339

Sci - Mat
Apr 67

Improved Technique of Assembling Wheelpairs,
by G. A. Bobrovnikov, 5 pp.
RUSSIAN, per Zheleznodorozhnyi Transport,
Vol XLV, No 4, 1963, pp 48-50.
OTS 63-18793

Sci-Engr
March 64

252,085

What Should Future Locomotives Look Like?, by
N. A. Eufryanskiy, 8 pp.

RUSSIAN, per, Zhaleznodorozhnyy Transport, No 4,
1963, pp 51-57.

ACSI I-3406-C
ID 2246297

USSR
Econ
Dec 63

244,036

A Type of Dual-Supply Electric Locomotive,
by B. V. Sushlov, 6 pp.

RUSSIAN, per. Zhелеznodorozhnyy Transport, No 4,
1963, pp 57-63.

ACSI I-3406-D
ID 2246297

USSR
Econ
Dec 63

244,037

Chernomordik, G. I.
HOW TO INCREASE TRAFFIC VELOCITY. [1963]
[7p]
Order from OTS, SLA, or ETC \$1.10 TT-63-20666

Trans. of Zheleznodorozhnyi Transport (USSR) 1963
[v. 45, no. 4] p. 60-64. (Abstract available)

DESCRIPTORS: *Railroads, *Traffic, Velocity,
Economics.

Consideration is given to the power requirements,
braking capacity, track conditions and traffic patterns
necessary to increase economically the running
velocity of passenger and freight trains.

(Machinery--Transport, TT, v. 11, no. 4)

TT-63-20666

I. Chernomordik, G. I.

Office of Technical Services

Increasing the Productivity of the VL8 Electric
Locomotive, by S. K. Grishchenko, P. I. Bortsov,
5 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 4,
1963, pp 74-77:

ACSI I-3406-E
ID 2246297

USSE
Econ
Dec 63

244,038

Progressive Technology in the Organization of Local
Work on Extended Runs, by V. I. Pyishkin, 4 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 4,
1968, pp 78-80.

ACSI I-3406-F
ID 2246297

USSR
Econ
Oct 68

Temporary Two-Way Automatic Block Signal on a Dual
Stretch of Track When one Line is Closed, by
A. M. Kandelin'skiy, 3 *Ap.*

RUSSIAN, per, Zhelznodorozhnyy Transport, No 1,
1963, pp 80, 81.

✓ *ACSI I-13405-G
ID 2246297

USSR
Econ
Oct 63

CLEARANCE DISTANCES FOR STRUCTURES ON FEEDER
LINES AND INTRA-INDUSTRIAL RAILROADS,
BY B. K. KOZLOVSKIY, 5 PP.

RUSSIAN, PER, ZHELEZNOD TRANSPORT, NO 4, 1963, .
PP 86-87.

JPRS 20538

USSR
ECON
AUG 63

238,517

RAILROAD TRANSPORT AT A NEW STAGE, 11 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 5;
~~MAY~~ 1963, PP 3-7.

JPRS 20901

USSR
ECON
SEP 63

343,134

Concerning Some Important Though Unresolved
Problems of Electrification of Railways, by
L. I. Okhoshin, 6 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 5,
1963, pp 35-39. 9690416

ACSI I-2994-A
ID 2240330

USSR
Econ
Jan 64

248,820

THE CONCENTRATION OF LOADING WORK AND TARIFFS, BY
YU. N. TIKHONCHUK, 10 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, MAY 1963,
NO 5, P. 42-45.

JPRS 20901

USSR/CON
SEP 63

343,13875

Intermediate Rail Fastenings and Improving the
Upper Road Structure, by D. G. Eradze, 6 pp.

RUSSEAN, I. P., Zhukovskiy Transport, No 5,
1963, pp 45-49. 9690416

ACSI 1-2994-B
ID 2240830

USSR
Econ
Jan 64

248,821

Factors Delaying Mass Production of Isothermic Rail-
ways Cars With Refrigeration, by V. V. Supin, *pp.*

RUSSIAN, per, Zheleznodorozhnyy Transport, N. 5,
1963, pp 51-53. 9690412

ACSI I-2994-C
ID 2240330

USSR
Econ
Aug 63